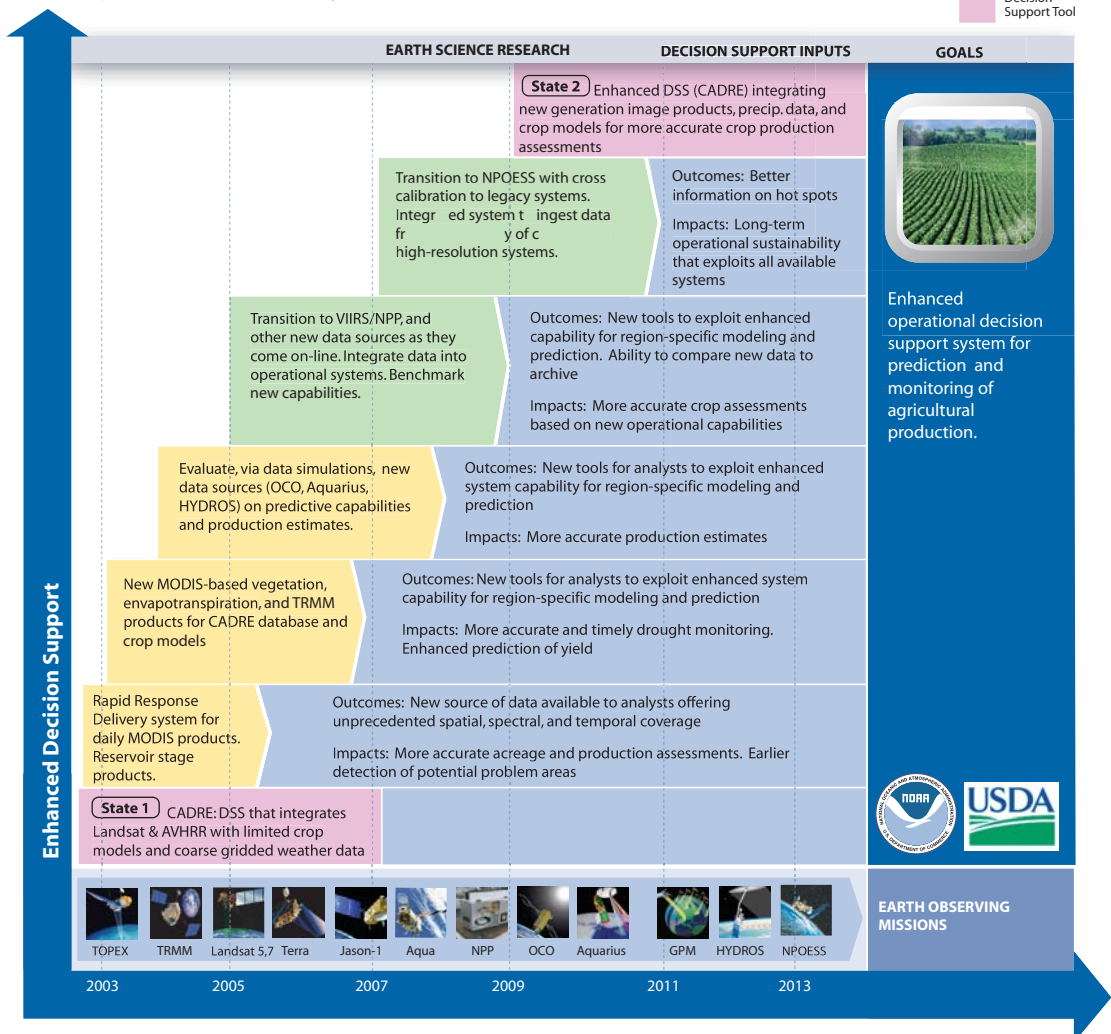


RoadMap

Agricultural Efficiency

Unfunded
Funded
Decision Support Tool



Where we are now

The agricultural efficiency national application is integrating NASA Earth science observations into decision support tools used by the Foreign Agriculture Service of the U.S. Department of Agriculture. These tools contribute to the production and yield estimates issued by the World Agricultural Outlook Board for major global agricultural commodities. The tools also improve the timeliness and accuracy of FAS reports on disruption in agricultural productivity due to floods, fires and other natural phenomena.

Where we plan to be

The decision support systems of FAS and other agencies with mandates to report on, and predict, agricultural condition will be enhanced through the incorporation of new data sets from NASA systematic and experimental missions. Observations from Terra, Aqua, NPP and NPOESS, will enhance climate and weather predictions. Observations from HYDROS, GPM, OCO and Aquarius will provide insights on geophysical parameters not presently observed or not observed with sufficient resolution. Those observations will drive predictive models that will incorporate information on soil moisture, rainfall, carbon fluxes and sea surface salinity into better estimates of climate impact.

2004 ————— 2012

